

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'POULyc003'

## SUMMARY OF THE INVENTION

### BOTANICAL CLASSIFICATION

*Rosa hybrida*

### VARIETY DENOMINATION

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'POULyc003'

The present invention constitutes a new and distinct  
variety of garden rose plant which originated from a  
controlled crossing between a female parent 'MEIdomonac',  
10 and the unnamed male parent, The two parents were crossed  
during the summer of 1991, and the resulting seeds were  
planted in a controlled environment in Fredensborg,  
Denmark. The new variety is named 'POULyc003'.

The new variety may be distinguished from its pollen  
15 parent, 'MEIdomonac' by the following combination of  
characteristics:

1. The pollen parent has Red Group 55C  
colored petals while the applicant variety  
has Yellow Group 10D colored petals.
- 20 2. The pollen parent is suitable for growing  
as a landscape shrub variety while the  
applicant variety is suitable for growing  
as a climbing variety.

The new variety may be distinguished from its unnamed  
25 seed parent, by the following combination of  
characteristics:

1. The seed parent has orange-blend colored petals while the applicant variety has apricot-yellow blend colored petals.
2. The seed parent has shorter growth habit than the applicant variety.

The objective of the hybridization of this rose variety was to create a new and distinct variety for garden use with unique qualities, such as:

1. Uniform and abundant apricot-yellow blend flowers;
2. Vigorous, but compact growth when propagated both as a budded rose and on its own roots;
3. Disease resistance.
4. Improved flowering habit. Since the variety is less apically dominant, flowers are produced from lower branches to the top.

This combination of qualities is not present in previously available commercial cultivars of this type, known to the inventor, and distinguish 'POULyc003' from all other varieties of which we are aware.

As part of their rose development program, L. Pernille Olesen and Mogens N. Olesen germinated the seeds from the aforementioned hybridization during winter 1991



Fig 1.4; Sepals, receptacle, and pedicel;

Fig 1.5; Mature leaves and bare stem;

Fig 1.6; Juvenile leaves attached to stem and  
bare stem.

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**DETAILED DESCRIPTION OF THE VARIETY**

The following is a description of 'POULyc003', as  
observed in its growth in a field nursery in Jackson  
County, Oregon. Observed plants are 3 years of age.  
Color references are made using the Royal Horticultural  
10 Society (London, England) Colour Chart, 1995, except where  
common terms of color are used.

For a comparison, several physical characteristics of  
the rose variety 'POULhult', a rose variety from the same  
inventors described and illustrated in U.S. Plant Patent  
15 Application No. 10/267,547 and dated 8 October 2002, are  
compared to 'POULyc003' in Chart 1.

**CHART 1**

	<b>'POULyc003'</b>	<b>'POULhult'</b>
20 Flower Diameter	40 mm.	55 to 60 mm.
25 Color of outermost petals after opening inner side.	Yellow Group 10D	Yellow Group 11D.
Petal Size	20 mm (l) x 15 mm (w).	27 mm (l) x 28 mm (w).

**Parents:**

Seed Parent: 'MEIdomonac'

Pollen Parent: unnamed seedling

#### FLOWER AND FLOWER BUD

5        **Blooming habit:**Continuous.

**Flower bud:**

Size:                Upon opening, 19 mm in length  
                              from base of receptacle to end  
                              of bud.

10        Bud form: Pointed ovoid and broad based.

Bud color:        As sepals unfold, petals are  
                              Yellow-Orange Group 18B with  
                              intonations of Orange Group 26C.  
                              Yellow-Orange Group 18B at ¼  
15        opening.

Sepals:

      Upper Surface:

          Color:        Yellow-Green Group 144A

      Lower Surface:

20        Color:        Yellow-Green Group 144A.

      Shape:

          Sepal apex is cirrhose. Base is flat  
          at union with receptacle. Margins  
          have medium foliaceous appendages on  
25        three of the five sepals.

Size: 26 mm long by 6 mm wide.

Receptacle:

Surface Texture: Smooth.

Shape: Funnel shaped.

5 Size: 4 mm (h) x 6 mm (w).

Color: Yellow-Green Group 144A.

Anthocyanin:

Light. Greyed-Purple Group 184C.

Peduncle:

10 Surface: Smooth.

Length: 15 to 20 mm average length.

Color: Yellow-Green Group 144B.

Strength: Weak.

15 Borne: Multiples of 5 buds per flowering stem.

Anthocyanin:

Color: Greyed-Red Group 181B.

20 **Flower bloom:**

Fragrance: Light.

Duration: The blooms have a duration on the plant of approximately 10 to 14 days.

25 Size: Average flower diameter is 40 mm

when open.

Form: Rosetta.

Shape of flower when viewed from the side:

Upon opening, upper part: Flat.

5 Upon opening, lower part: Concave.

Open flower, upper part: Flattened  
convex.

Open flower, lower part: Very convex.

Petalage: Very double. Average range: 70-80  
10 petals under normal conditions with  
30 petaloids.

**Color:**

Upon opening, petals:

Outermost petals:

15 Outer side: Yellow Group 10D.

Inner Side: Yellow Group 10D.

Innermost petals:

20 Outer side: Yellow Group 10D with  
intonations of Yellow-  
Orange Group 19A at basal  
and middle zones.

Inner Side: Yellow Group 10D.

Upon opening, basal petal spots:

Outermost petals:

25 Outer side: Yellow Group 4B.



Inner Side: Yellow Group 4B.

Innermost petals:

Outer side: Yellow Group 4B.

Inner Side: Yellow Group 4B.

5      After opening, petals:

Outermost petals:

Outer side: Yellow Group 10D with  
light intonations of  
Yellow-Orange Group 14D.

10      Inner Side: Yellow-Orange Group 14D.

Innermost petals:

Outer side: Yellow Group 10D with  
light intonations of  
Yellow-Orange Group 14D.

15      Inner Side: Yellow Group 10D.

After opening, basal petal spots:

Outermost petals:

Outer Side: Yellow Group 8B.

Inner Side: Yellow Group 8B.

20      Innermost petals:

Outer Side: Yellow Group 8B.

Inner Side: Yellow Group 8B.

**General Tonality:** On open flower Yellow-Orange

25      Group 14D. No change in the

general tonality at the end of  
the 10<sup>th</sup> day. Afterwards,  
general tonality is Yellow Group  
4D.

5            Petals:

Petal Reflex:    Petals reflexed strongly.

Margin:            Entire and uniform. Typically  
reflexed along margin with  
medium undulation of margin.

10           Shape:            Apex:            Round.  
Base:            Acute.

Size:                20 mm (l) x 15 mm (w).

Texture:            Smooth.

Thickness:        Thin.

15           Arrangement:    Not Formal.

Petaloids:

Quantity:           25 to 30.

Size:                17 mm (l) x 10 mm (w).

Color:

20                    Upper Surface:  
Yellow Group 10D.

Lower surface:  
Yellow Group 10D.

Shape:                Irregular. Oblanceolate.

25           **Reproductive Organs:**

Pistils:

Length: 8 mm long.

Quantity: 35 (actual count).

Pollen: None observed.

5 Anthers:

Size: 2 mm long.

Color: Yellow-Orange Group 16A.

Quantity: 41 (actual count).

Filaments:

10 Color: Yellow Group 6A.

Length: 4 mm.

Stigmas: Superior in location to anthers.

Color: Yellow-Green Group 145B.

Styles:

15 Color: Green-White Group 157A.

Other intonations: At top of

styles and

extending into

the anthers

20 with streaks of

Red-Purple

Group 58B.

Hips: None Observed in the field nursery in

Jackson County Oregon.

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**PLANT**

**Plant growth:** Climbing habit with diminished apical dominance in flowering characteristics.

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**Stems:**

Color:

Young wood: Yellow-Green Group 144A.

Older wood: Yellow-Green Group 144A.

Surface Texture:

10

Young wood: Smooth.

Older wood: Smooth.

Thorns:

Incidence: 10 thorns per 10 cm of stem.

15

Size: Average length: 5 mm.

Color: Greyed-Purple Group 184C.

Shape: Concave.

**Plant foliage:** Normal number of leaflets on normal leaves in middle of the stem: 7 leaflets.

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Compound Leaf size: 23 mm (l) x 16 mm (w).

Color:

Mature Foliage:

25

Upper Leaf Surface: Green Group

137C.

Lower Leaf Surface: Yellow-Green

Group 147C.

Juvenile foliage:

5

Upper Leaf Surface: Green Group

137C with

Greyed-Purple

183A.

Lower Leaf Surface: Green Group

10

137C with

Greyed-Purple

183A.

Anthocyanin:

15

Location: Juvenile foliage and new  
shoots.

Color: Grey-Purple Group 183A to  
183D.

**Plant leaves and leaflets:**

Stipules:

20

Size: 17 mm.

Color: Green Group 137C.

Margins: Finely serrated with  
stipitate glands.

Petiole:

25

Length: 20 mm.

Color: Yellow-Green Group 144A.  
Underneath: Thorns and light  
pubescence observed.

Rachis:

5 Length: 20 mm.  
Color: Yellow-Green Group 144A.  
Underneath: Thorns and light  
pubescence observed.

Leaflet:

10 Edge: Finely serrated.  
Shape: General shape is Ovate.  
Apex is Mucronate. Base is  
Acute.  
Texture: Smooth.  
15 Arrangement: Odd pinnate.  
Venation: Reticulate.  
Glossiness: Moderate.

**Disease resistance:**

20 Above average resistance to mildew, rust, black  
spot, and Botrytis under normal growing conditions in  
Jackson County, Oregon.

**Cold Hardiness:**

The variety 'POULyc003' has been found to be cold  
tolerant to USDA Cold Hardiness Zone 6.